BRUHATH BENGALORE MAHANAGARA PALIKE DASARAHALLI ZONE

ıe of Work :Developments UGD Works in Mallasandra Ward No 13 In Shettyhalli Division

Est Cost Rs :30 Lakhs

Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations & disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No. 138, Item No.18.47,PW,P & IWTD SR 2018-19)								
Byraveshwara layout								
MAIN ROAD		1	50.00	1.00	0.15	7.50		
1st cross(LHS)		1	81.00	1.00	0.20	16.20		
2nd coss		1	81.00	1.00	0.20	16.20		
	Cum					39.90	1009.94	40296.61
KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5(Page No.5 , Item No.2.4,PW,P & IWTD SR 2018-19)								
Byraveshwara layout								
MAIN ROAD		1	50.00	1.00	1.30	65.00		
1st cross(LHS)		1	81.00	1.00	1.30	105.30		
2nd coss		1	81.00	1.00	1.30	105.30		
1st cross(RHS)		1	57.00	1.00	1.30	74.10		
Sub Cross from 1st cross		1	42.00	1.00	1.30	54.60		
kalyana nagara 8th cross		1	50.00	1.00	1.30	65.00		
lake view layout								
1st cross		1	80.00	1.00	1.30	104.00		
Man hole		30	3.142/4 x 2.5 X 2.5 X 2.00			294.30		
	cum					867.60	475.94	412925.54
Stone dust / Grit Page No.II PW,P&IWTD SR 2018-19								
Byraveshwara layout								
MAIN ROAD		1	50.00	1.00	0.30	15.00		
1st cross(LHS)		1	81.00	1.00	0.30	24.30		
2nd coss		1	81.00	1.00	0.30	24.30		
1st cross(RHS)		1	57.00	1.00	0.30	17.10		
Sub Cross from 1st cross		1	42.00	1.00	0.30	12.60		
kalyana nagara 8th cross		1	50.00	1.00	0.30	15.00		
lake view layout								
1st cross		1	80.00	1.00	0.30	24.00		
	Cum					132.30	1060.00	140238.00
KSRB 12.-1.1 : Providing and laying in position to required level or slope 230mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications.Specification No. KBS 12.2.5/12.7 (Page No.70, Item No. 11.4)PW,P&IWTD SR 2018-19								

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Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
Byraveshwara layout								
MAIN ROAD		1	50.00			50.00		
1st cross(LHS)		1	81.00			81.00		
2nd coss		1	81.00			81.00		
1st cross(RHS)		1	57.00			57.00		
Sub Cross from 1st cross		1	42.00			42.00		
kalyana nagara 8th cross		1	50.00			50.00		
lake view layout								
1st cross		1	80.00			80.00		
	Mtr					**441.00**	**472.76**	**208487.16**
Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications (Page No.6 Item No. 2.10)PW,P&IWTD SR 2018-19								
Consider 50% of Qty No.2	**Cum**					**433.80**	**213.06**	**92425.43**
KSRB 12-5.3 : Constructing brick masonry circular type manhole 1.22 m internal dia at bottom 1.68 m deep and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4(Page No72, Item.11.39 PW,P&IWTD SR 2018-19								
Man hole		30				30.00		
	No's					**30.00**	**31077.08**	**932312.40**
KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No.155, Item No.20.18,PW,P & IWTD SR 2018-19)								
For cement concrete								
Byraveshwara layout								
MAIN ROAD		1	50.00	1.00	0.15	7.50		
1st cross(LHS)		1	81.00	1.00	0.15	12.15		
2nd coss		1	81.00	1.00	0.15	12.15		
1st cross(RHS)		1	57.00	1.00	0.15	8.55		
Sub Cross from 1st cross		1	42.00	1.00	0.15	6.30		
kalyana nagara 8th cross		1	50.00	1.00	0.15	7.50		
lake view layout								
1st cross		1	80.00	1.00	0.15	12.00		
	cum					**66.15**	**2001.28**	**132384.67**

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Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
SRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and own size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a repared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. ggregate gradation after blending to be as per Table 600-1, cement content not to be less than 150 kg/ cum, optimum noisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 lays, mixed in a batching plant, transported to site, laid with a paver , compacting with 8-10 tonnes vibratory roller, inishing and curing complete as per specifications.do OPC At 150kg/cum and coarse agggregate 0.86 cum, fine ggregate 0.58cum using concrete batch mix plant at 75cum/hr capacity with fixed form paver (P.No-174,I No-22.1.2)								
For cement concrete								
Byraveshwara layout								
MAIN ROAD		1	50.00	1.00	0.15	7.50		
1st cross(LHS)		1	81.00	1.00	0.15	12.15		
2nd coss		1	81.00	1.00	0.15	12.15		
1st cross(RHS)		1	57.00	1.00	0.15	8.55		
Sub Cross from 1st cross		1	42.00	1.00	0.15	6.30		
kalyana nagara 8th cross		1	50.00	1.00	0.15	7.50		
lake view layout								
1st cross		1	80.00	1.00	0.15	12.00		
	cum					66.15	3884.90	256986.14
Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)								
For cement concrete								
Byraveshwara layout								
MAIN ROAD		1	50.00	1.00	0.15	7.50		
1st cross(LHS)		1	81.00	1.00	0.15	12.15		
2nd coss		1	81.00	1.00	0.15	12.15		
1st cross(RHS)		1	57.00	1.00	0.15	8.55		
Sub Cross from 1st cross		1	42.00	1.00	0.15	6.30		
kalyana nagara 8th cross		1	50.00	1.00	0.15	7.50		
lake view layout								
1st cross		1	80.00	1.00	0.15	12.00		
	cum					66.15	5210.96	344705.00
							Total Construction cost	2560760.95
							GST Charges 12%	307291.31
							Sub Total	2868052.26
							KIRDL Charges 4.5%	129062.35

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Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
							Miscellaneous and other unforseen charges	3120.98
							Total	3000000.00
(Rupees Thirty Lakhs Only)								

CERTIFICATE

1) Certified that I have inspected the spot & Prepared the Estimate according to the necessity & site conditions.
2) Certified that the work is not split up.
3) Certified that the estimate is prepared on the basis of CSR of PW,P & IWTD, Bangalore Circle, Bangalore for the year
4) Certified that Adequate & necessary provisions have been made in the estimate.
5) Certified that the above area comes under BBMP limits..

Asst. Engineer
Ward No-13

Asst. Executive Engineer
Shettyhalli Sub Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ಸಂ. EE/DD/AS/23 ದಿನಾಂಕ: 24/11/18

ರೂ. Rs 30 00 lakh (Thirty lakh only)

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರು
ಬ.ಬ.ಎಂ.ಪಾ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/DZ/TS/36/18-19 ದಿನಾಂಕ: 15/12/2018

ರೂ. Rs. 30 lakhs only
Rs Thirty lakhs only

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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